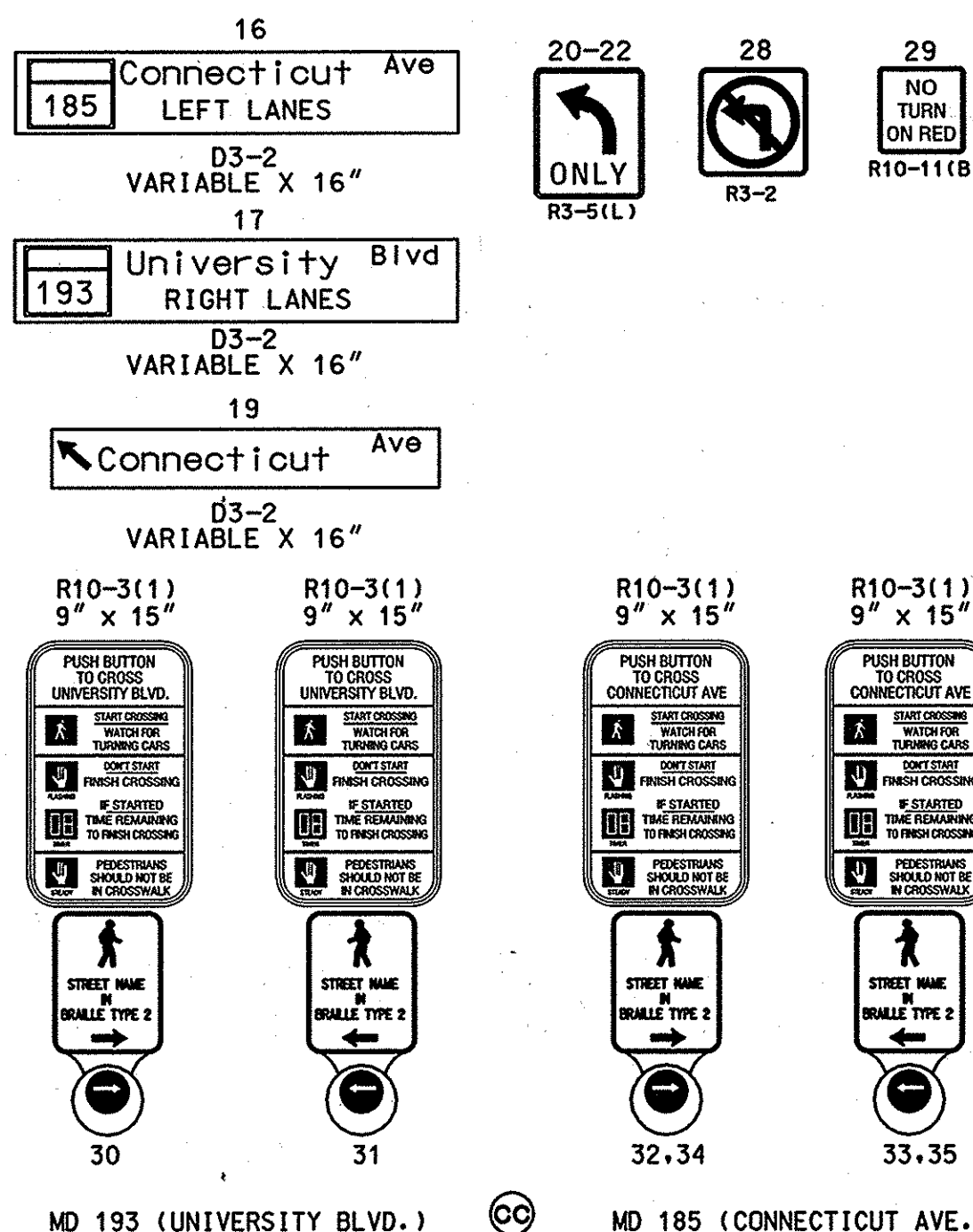


MD 185 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

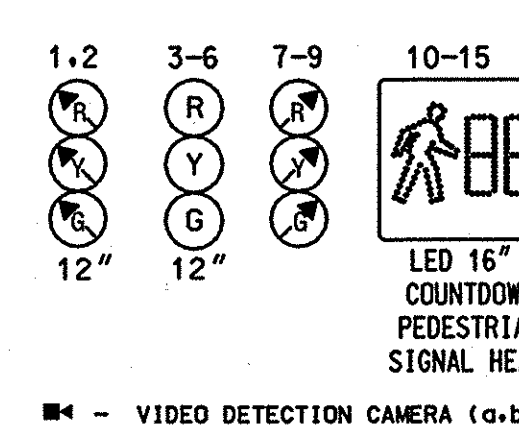
PROPOSED SIGNS



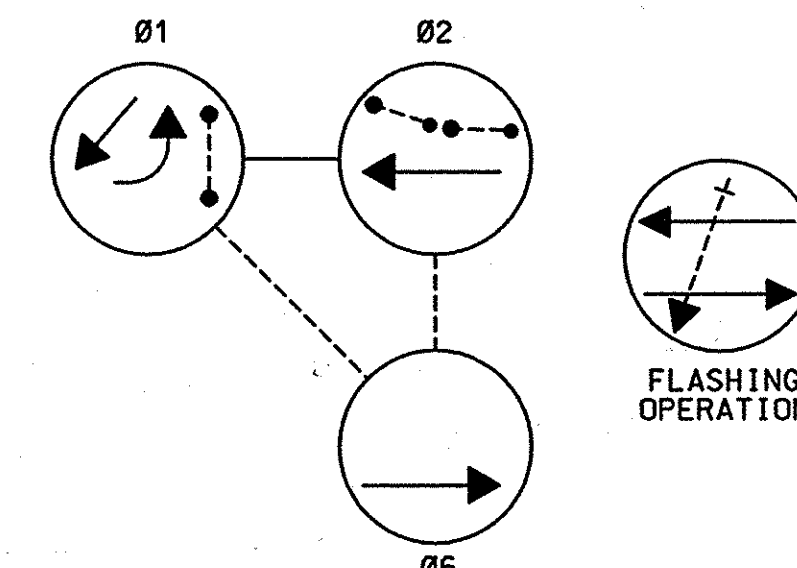
EXISTING SIGN



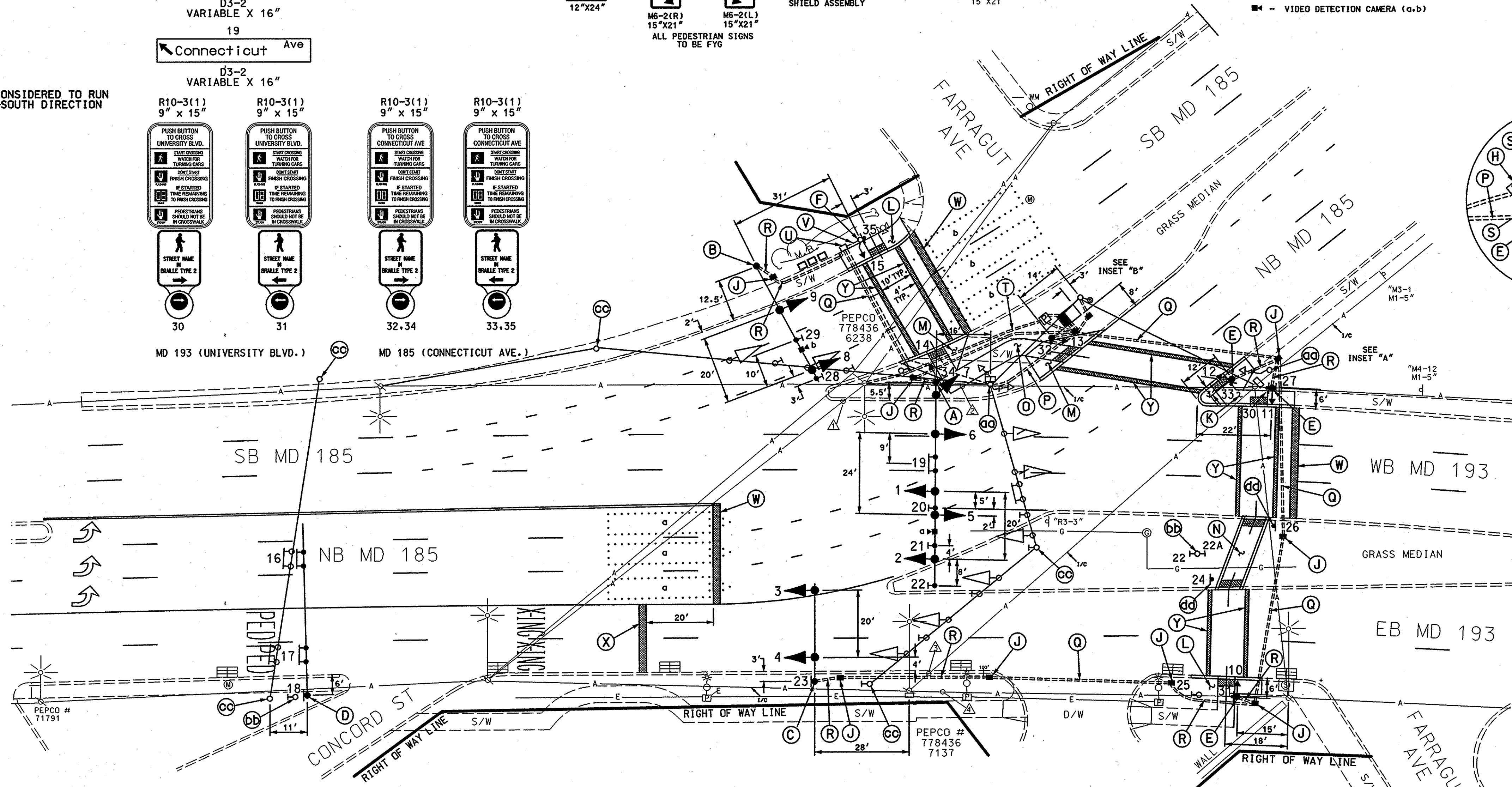
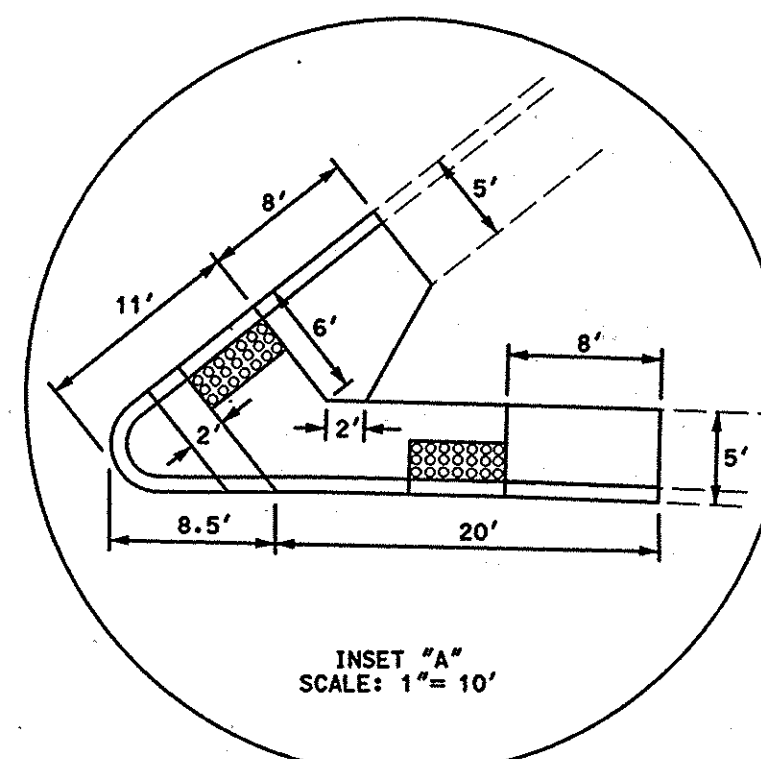
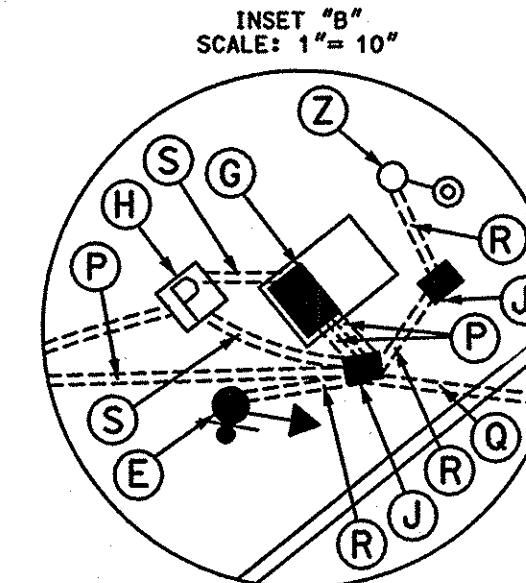
PROPOSED SIGNALS



NEMA PHASING



PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



- CONSTRUCTION DETAILS**
- Install 16' steel pole with a special 15' "T" dimension single 60' mast arm, traffic signal heads, signs, video detection camera, countdown pedestrian signal head and APS pushbutton as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
 - Install 16' steel pole with a special 15' "T" dimension single 38' mast arm, traffic signal heads, signs and video detection camera as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
 - Install 16' steel pole with a special 15' "T" dimension single 28' mast arm and traffic signal heads as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
 - Install 16' steel pole with a special 15' "T" dimension single 50' mast arm and signs as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
 - Install 10' breakaway pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
 - Use existing 10' breakaway pedestal pole with countdown pedestrian signal head and APS pushbutton as shown.
 - Install NEMA size "6" base-mounted cabinet and controller with video interface, 2-wire control unit and all necessary equipment as shown.
 - Install metered pedestal.
 - Install handhole.
 - Install proposed parallel handicap ramps (STD. No. MD 655.12 (modified) with a 16' flat area and detectable warning surfaces (STD. No. MD 655.40) as shown.
 - Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40) as shown. (Note: The flat area will tie into sidewalk that is already flat.)
 - Install proposed perpendicular handicap ramp (STD. No. MD 655.11) with detectable warning surface (STD. No. MD 655.40) as shown.
 - Remove existing median cut-through and install proposed median cut-through (STD. No. MD 655.21) with a 6' wide flat area and detectable warning surface (STD. No. MD 655.40) as shown.
 - Install proposed sidewalk as shown.

- CONSTRUCTION DETAILS (con't)**
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched)
 - Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored)
 - Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched)
 - Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched)
 - Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 50' of 3-wire 1 conductor (No. 250 KCMIL) for proposed underground electrical power service by PEPCO to base of utility pole.
 - Use existing handhole. (Cap and abandon existing conduit crossing MD 185.)
 - Use existing conduit.
 - Remove existing stopline and install proposed 24" white heat applied preformed thermoplastic pavement marking.
 - Install 24" white heat applied preformed thermoplastic pavement marking (stopline).
 - Remove existing crosswalk and install proposed 12" white heat applied preformed thermoplastic pavement marking (crosswalk).
 - Install 3" bend in existing Montgomery County Surveillance camera pole base.
 - Remove existing pole mounted cabinet and foundation 12" below grade. (Note: Montgomery County shall remove controller and auxiliary equipment.)
 - Remove existing ground mounted sign.
 - Remove existing steel pole and foundation 12" below grade.
 - Install proposed ground mounted sign on 4" x 4" wood post.

OVERHEAD HEIGHTS

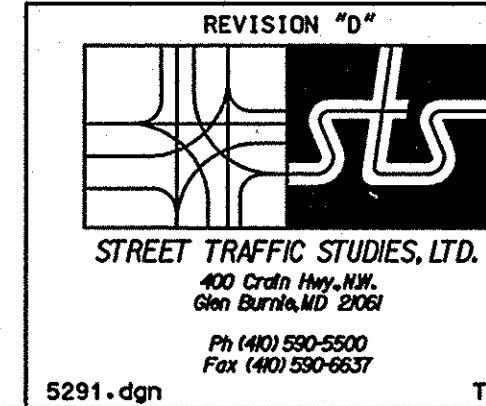
GUYWIRE	28'-0"
SECONDARY	32'-0"
PRIMARY	38'-0"
GUYWIRE	26'-0"
SECONDARY	30'-0"
PRIMARY	37'-0"
INTERCONNECT	20'-0"
GUYWIRE	19'-0"
SECONDARY	19'-6"
PRIMARY	26'-0"

GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut-throughs.
- Poles are to be located so that they can be activated by a person in a wheelchair from a 60" x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
- If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.
- Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
- The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton.
- The contractor shall remove all unused wiring.

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	----
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A-A
ELECTRIC	E-E
TELEPHONE	T-T
GAS	G-G
SEWER	S-S
WATER	W-W
CABLE TV	TV-TV

ADDENDUM 1: DATE: 10-16-07



APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
1. INSTALL APS AND CPS ON NORTH, SOUTH AND WEST LEGS SHA NO. MD2825185	6/18/07
2. ADD PEDESTRIAN HEAD FOR MD 185	8/01
3. MODIFY EXISTING HEADS	
4. RE-DRAW	7/20/03

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
MD 185 @ MD 193	
TRAFFIC SIGNAL PLAN	
SCALE 1"=20'	DATE 11/13/72
DESIGNED BY	COUNTY MONTGOMERY
DRAWN BY J. GORDON	LOGMILE 15018504.54
CHECKED BY W. FITCH	TMS NO. H601
F.A.P. NO. AC-STPG-000A(24)E	TOD NO.
TS NO. 785D	DRAWING NO. 1 OF 3
	SHEET NO. 28 OF 42

PLOTTED: 4/24/2004
FILE: 8FILES